



Swan Canning Estuary Water Quality Monitoring Project

Weekly Water Quality Report

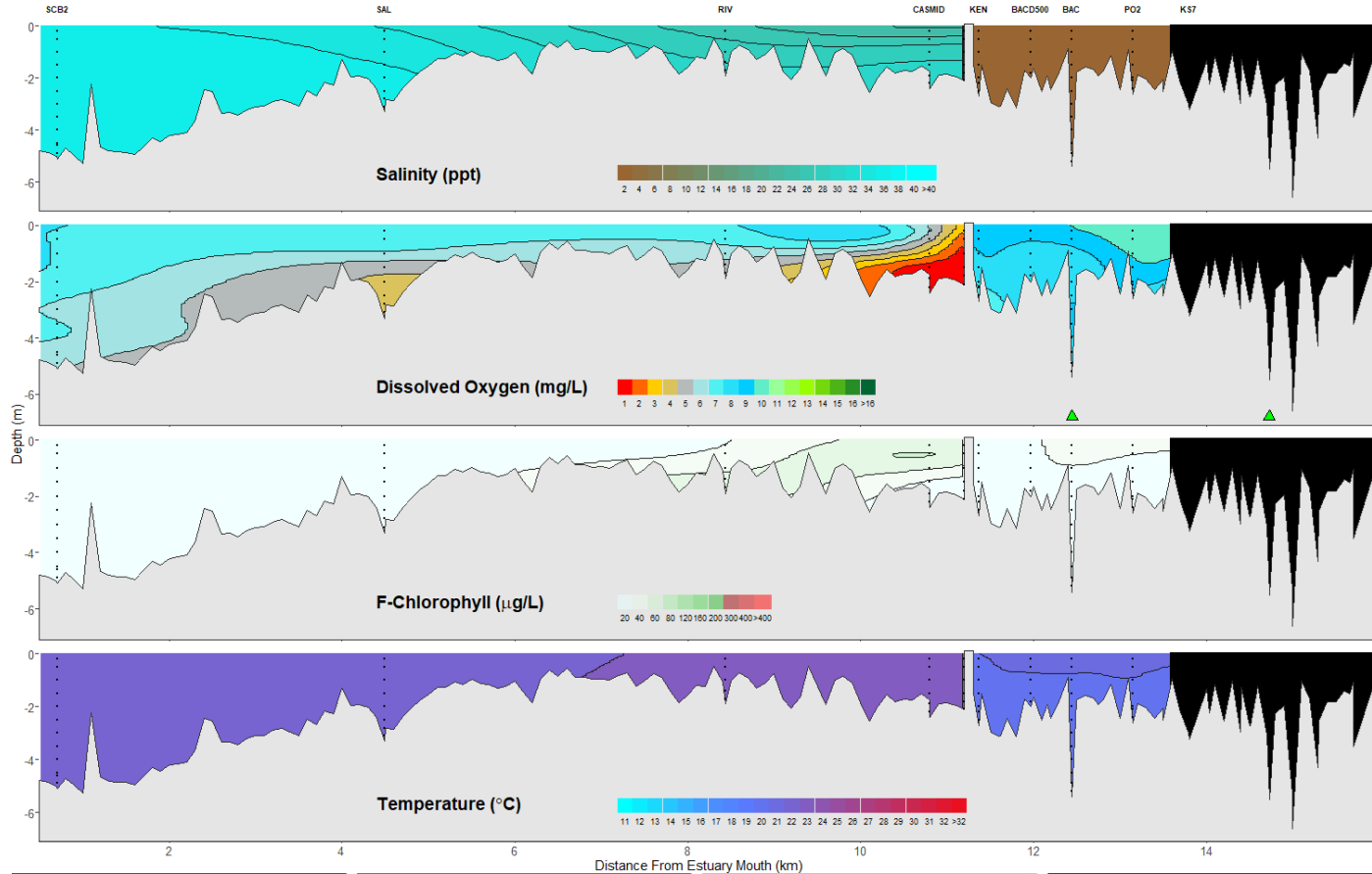
Canning Estuary and Lower Canning River

14 April 2026

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Canning Estuary and Lower Canning River - Water Quality Profiles – 14 April 2026



Date: 14 April 2026

Weather & tide conditions: Conditions were clear with a prevailing easterly breeze of up to 7.5 knots. The predicted tides at Barrack St were 0.99 m at 4:46 am (high tide) and 0.93 m at 11:30 am (low tide). Perth recorded no rainfall in the week prior to sampling (Bureau of Meteorology).

Oxygenation: The Bacon St and Nicholson Rd oxygenation plants were operating and providing oxygen in the 24 hours prior to sampling.

Canning Estuary (SCB2 to CASMID): The Canning Estuary was saline with brackish surface waters at CASMID. Waters were oxygenated to well oxygenated, with low oxygen bottom waters at SAL and anoxic bottom waters at CASMID. Moderate chlorophyll fluorescence was detected at RIV and CASMID. Water temperatures ranged from 21 to 23.9 °C.

Lower Canning River (KEN to KS7): The Lower Canning River was fresh and waters were well oxygenated. Chlorophyll fluorescence was low and water temperatures ranged from 19.3 to 20.9 °C.

Note: Sites upstream of KS7 were unable to be sampled due to access restrictions.

NB: Profile plots are visual interpolations of measured parameters only. Detailed data are available at wir.water.wa.gov.au.

Oxygenation Plant Operational Status:

- ▲ Operating for part or all of the 24 hours prior to sampling
- ▲ Operable but not triggered to operate in the 24 hours prior to sampling
- ▲ Inoperable for part or all of the 24 hours prior to sampling

Definitions:

Salinity – fresh <5, brackish 5-25, saline 25-35, hypersaline >36
Dissolved oxygen – well-oxygenated >6 mg L⁻¹, oxygenated >4-6 mg L⁻¹, low oxygen >2-4 mg L⁻¹, hypoxic 0.5-2 mg L⁻¹, anoxic <0.5 mg L⁻¹
Chlorophyll fluorescence (low flow): low < 50 µg L⁻¹, moderate 50-150 µg L⁻¹, high 150-400 µg L⁻¹, extreme > 400 µg L⁻¹